* [Find pair with given sum in the array](https://www.techiedelight.com/find-pair-with-given-sum-array/" \t "_blank)
* [Find sub-array with 0 sum](https://www.techiedelight.com/find-sub-array-with-0-sum/)
* [Sort binary array in linear time](https://www.techiedelight.com/sort-binary-array-linear-time/)
* [Find a duplicate element in a limited range array](https://www.techiedelight.com/find-duplicate-element-limited-range-array/)
* [Find largest sub-array formed by consecutive integers](https://www.techiedelight.com/find-largest-sub-array-formed-by-consecutive-integers/)
* [Find maximum length sub-array having given sum](https://www.techiedelight.com/find-maximum-length-sub-array-having-given-sum/)
* [Find maximum length sub-array having equal number of 0’s and 1’s](https://www.techiedelight.com/find-maximum-length-sub-array-equal-number-0s-1s/)
* [Sort an array containing 0’s, 1’s and 2’s(Dutch national flag problem)](https://www.techiedelight.com/sort-array-containing-0s-1s-2s-dutch-national-flag-problem/)
* [Inplace merge two sorted arrays](https://www.techiedelight.com/inplace-merge-two-sorted-arrays/)
* [Merge two arrays by satisfying given constraints](https://www.techiedelight.com/merge-two-arrays-satisfying-given-constraints/)
* [Find index of 0 to replaced to get maximum length sequence of continuous ones](https://www.techiedelight.com/find-index-0-replaced-get-maximum-length-sequence-of-continuous-ones/)
* [Find maximum product of two integers in an array](https://www.techiedelight.com/find-maximum-product-two-integers-array/)
* [Shuffle a given array of elements (Fisher–Yates shuffle)](https://www.techiedelight.com/shuffle-given-array-elements-fisher-yates-shuffle/)
* [Rearrange the array with alternate high and low elements](https://www.techiedelight.com/rearrange-the-array-with-alternate-high-and-low-elements/)
* [Find equilibrium index of an array](https://www.techiedelight.com/find-equilibrium-index-array/)
* [Find majority element in an array (Boyer–Moore majority vote algorithm)](https://www.techiedelight.com/find-majority-element-in-an-array-boyer-moore-majority-vote-algorithm/)
* [Move all zeros present in the array to the end](https://www.techiedelight.com/move-zeros-present-array-end/)
* [Replace each element of array with product of every other element without using / operator](https://www.techiedelight.com/replace-element-array-product-every-element-without-using-division-operator/)
* [Find Longest Bitonic Subarray in an array](https://www.techiedelight.com/find-longest-bitonic-subarray-array/)
* [Find maximum difference between two elements in the array by satisfying given constraints](https://www.techiedelight.com/find-maximum-difference-between-two-elements-array/)
* [Maximum subarray problem (Kadane’s algorithm)](https://www.techiedelight.com/maximum-subarray-problem-kadanes-algorithm/)
* [Maximum Sum Circular Subarray](https://www.techiedelight.com/maximum-sum-circular-subarray/)
* [Find all distinct combinations of given length](https://www.techiedelight.com/find-distinct-combinations-of-given-length/)
* [Find all distinct combinations of given length with repetition allowed](https://www.techiedelight.com/find-distinct-combinations-given-length-repetition-allowed/)
* [Find maximum sequence of continuous 1’s formed by replacing at-most k zeroes by ones](https://www.techiedelight.com/find-maximum-sequence-of-continuous-1s-can-formed-replacing-k-zeroes-ones/)
* [Find minimum sum subarray of given size k](https://www.techiedelight.com/find-minimum-sum-subarray-given-size-k/)
* [Find subarray having given sum in given array of integers](https://www.techiedelight.com/find-subarray-having-given-sum-given-array/)
* [Find the length of smallest subarray whose sum of elements is greater than the given number](https://www.techiedelight.com/length-of-smallest-subarray-with-sum-greater-number/)
* [Find largest number possible from set of given numbers](https://www.techiedelight.com/find-largest-number-possible-set-given-numbers/)
* [Find the smallest window in array sorting which will make the entire array sorted](https://www.techiedelight.com/smallest-window-sorting-which-make-array-sorted/)
* [Find maximum sum path involving elements of given arrays](https://www.techiedelight.com/find-maximum-sum-path-involving-elements-given-arrays/)
* [Maximum profit earned by buying and selling shares any number of times](https://www.techiedelight.com/maximum-profit-earned-buying-and-selling-shares)
* [Trapping Rain Water within given set of bars](https://www.techiedelight.com/trapping-rain-water-within-given-set-bars/)
* [Longest Increasing Subsequence](https://www.techiedelight.com/longest-increasing-subsequence/)
* [Find maximum product subarray in a given array](https://www.techiedelight.com/find-maximum-product-subarray-given-array)
* [Find maximum sum of subsequence with no adjacent elements](https://www.techiedelight.com/maximum-sum-of-subsequence-with-no-adjacent-elements)
* [Find minimum platforms needed in the station so to avoid any delay in arrival of any train](https://www.techiedelight.com/minimum-number-of-platforms-needed-avoid-delay-arrival-train)
* [Length of longest continuous sequence with same sum in given binary arrays](https://www.techiedelight.com/length-longest-continuous-sequence-same-sum-binary-arrays/)
* [Merging Overlapping Intervals](https://www.techiedelight.com/merging-overlapping-intervals)
* [Activity Selection Problem](https://www.techiedelight.com/activity-selection-problem/)
* [Job Sequencing Problem with Deadlines](https://www.techiedelight.com/job-sequencing-problem-deadlines/)
* [Find K’th largest element in an array](https://www.techiedelight.com/find-kth-largest-element-array/)
* [Sort a K-Sorted Array](https://www.techiedelight.com/sort-k-sorted-array/)
* [Merge M sorted lists of variable length](https://www.techiedelight.com/merge-m-sorted-lists-variable-length/)
* [Find K’th smallest element in an array](https://www.techiedelight.com/find-kth-smallest-element-array/)
* [Find smallest range with at-least one element from each of the given lists](https://www.techiedelight.com/find-smallest-range-least-one-element-given-lists/)
* [Merge M sorted lists each containing N elements](https://www.techiedelight.com/merge-m-sorted-lists-containing-n-elements/)
* [Custom Sort | Sort elements by their frequency and Index](https://www.techiedelight.com/sort-elements-by-their-frequency-and-index/)
* [Custom Sort | Sort elements of the array by order of elements defined by the second array](https://www.techiedelight.com/custom-sort-sort-elements-array-order-elements-defined-second-array/)
* [Inversion Count of an array](https://www.techiedelight.com/inversion-count-array/)
* [Segregate positive and negative integers in linear time](https://www.techiedelight.com/positive-and-negative-integers-segregate/)
* [Binary Search](https://www.techiedelight.com/binary-search/)
* [Find number of rotations in a circularly sorted array](https://www.techiedelight.com/find-number-rotations-circularly-sorted-array/)
* [Search an element in a circular sorted array](https://www.techiedelight.com/search-element-circular-sorted-array/)
* [Find first or last occurrence of a given number in a sorted array](https://www.techiedelight.com/find-first-or-last-occurrence-of-a-given-number-sorted-array/)
* [Count occurrences of a number in a sorted array with duplicates](https://www.techiedelight.com/count-occurrences-number-sorted-array-duplicates/)
* [Find smallest missing element from a sorted array](https://www.techiedelight.com/find-smallest-missing-element-sorted-array/)
* [Find Floor and Ceil of a number in a sorted array](https://www.techiedelight.com/find-floor-ceil-number-sorted-array/)
* [Search in a nearly sorted array in O(logn) time](https://www.techiedelight.com/search-nearly-sorted-array-ologn-time/)
* [Find number of 1’s in a sorted binary array](https://www.techiedelight.com/find-number-1s-sorted-binary-array/)
* [Find the peak element in an array](https://www.techiedelight.com/find-peak-element-array/)
* [Maximum Sum Subarray using Divide & Conquer](https://www.techiedelight.com/maximum-sum-subarray-using-divide-conquer/)
* [Find Minimum and Maximum element in an array using minimum comparisons](https://www.techiedelight.com/find-minimum-maximum-element-array-using-minimum-comparisons/)
* [Matrix Chain Multiplication](https://www.techiedelight.com/matrix-chain-multiplication/)
* [0–1 Knapsack problem](https://www.techiedelight.com/0-1-knapsack-problem/)
* [Maximize value of the expression](https://www.techiedelight.com/maximize-value-of-the-expression/)
* [Partition problem](https://www.techiedelight.com/partition-problem/)
* [Subset sum problem](https://www.techiedelight.com/subset-sum-problem/)
* [Minimum Sum Partition problem](https://www.techiedelight.com/minimum-sum-partition-problem/)
* [Rod Cutting](https://www.techiedelight.com/rot-cutting/)
* [Coin change-making problem (unlimited supply of coins)](https://www.techiedelight.com/coin-change-making-problem-unlimited-supply-coins/)
* [Coin Change Problem (Total number of ways to get the denomination of coins)](https://www.techiedelight.com/coin-change-problem-find-total-number-ways-get-denomination-coins/)
* [Longest alternating subsequence](https://www.techiedelight.com/longest-alternating-subsequence/)
* [Combinations of words formed by replacing given numbers with corresponding English alphabets](https://www.techiedelight.com/combinations-of-words-formed-replacing-given-numbers-corresponding-english-alphabet/)
* [Decode the given sequence to construct minimum number without repeated digits](https://www.techiedelight.com/decode-the-given-sequence-construct-minimum-number-without-repeated-digits/)
* [All combinations of elements satisfying given constraints](https://www.techiedelight.com/find-combinations-of-elements-satisfies-given-constraints/)
* <https://practice.geeksforgeeks.org/problems/subarray-range-with-given-sum/0/>

<https://www.interviewbit.com/courses/programming/topics/arrays/>

* [**Given a sorted and rotated array, find if there is a pair with a given sum**](Given%20a%20sorted%20and%20rotated%20array,%20find%20if%20there%20is%20a%20pair%20with%20a%20given%20sum)
* [**Find maximum value of Sum( i\*arr[i]) with only rotations on given array allowed**](https://www.geeksforgeeks.org/find-maximum-value-of-sum-iarri-with-only-rotations-on-given-array-allowed/)
* [**Find the minimum element in a sorted and rotated array**](https://www.geeksforgeeks.org/find-minimum-element-in-a-sorted-and-rotated-array/)
* [**Array of alternate +ve and -ve no.s**](https://www.geeksforgeeks.org/rearrange-array-alternating-positive-negative-items-o1-extra-space/)
* [**Minimum swaps and K together**](https://practice.geeksforgeeks.org/problems/minimum-swaps-required-to-bring-all-elements-less-than-or-equal-to-k-together/0)
* [**Reorder an array according to given indexes**](https://www.geeksforgeeks.org/reorder-a-array-according-to-given-indexes/)
* [**Rearrange positive and negative numbers with constant extra space**](https://www.geeksforgeeks.org/rearrange-positive-and-negative-numbers/)
* [**Rearrange an array in maximum minimum form | Set 2 (O(1) extra space)**](https://www.geeksforgeeks.org/rearrange-array-maximum-minimum-form-set-2-o1-extra-space/)
* [**Rearrange positive and negative numbers with constant extra space**](https://www.geeksforgeeks.org/rearrange-positive-and-negative-numbers/)
* [**Find median in a stream**](https://practice.geeksforgeeks.org/problems/find-median-in-a-stream/0)
* [**K maximum sums of overlapping contiguous sub-arrays**](https://www.geeksforgeeks.org/k-maximum-sum-overlapping-contiguous-sub-arrays/)
* [**K maximum sums of non-overlapping contiguous sub-arrays**](https://www.geeksforgeeks.org/k-maximum-sums-non-overlapping-contiguous-sub-arrays/)
* [**K smallest elements in same order using O(1) extra space**](https://www.geeksforgeeks.org/k-smallest-elements-order-using-o1-extra-space/)
* [**Find k numbers with most occurrences in the given array**](https://www.geeksforgeeks.org/find-k-numbers-occurrences-given-array/)